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JOBSHEET 10 RESTFUL API

```php
namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;
use Illuminate\Database\Eloquent\Model;
use Illuminate\Database\Eloquent\Relations\BelongsTo;
use Illuminate\Database\Eloquent\Relations\HasMany;
use Illuminate\Foundation\Auth\User as Authenticatable;
use Tymon\JWTAuth\Contracts\JWTSubject;

27 references | 0 implementations
class UserModel extends Authenticatable implements JWTSubject{
    use HasFactory;

    0 references | 0 overrides
    public function getJWTIdentifier(){
        return $this->getKey();
    }
    0 references | 0 overrides
    public function getJWTCustomClaims(){
        return[];
    }

    0 references
    protected $table = 'm_user';
    0 references
    protected $primaryKey = 'user_id';
```

```
PS C:\Users\USER\Documents\Private Document\State Polytechnic of Malang\Computer Science\4th Semester\Advanced Web\Jobsheet 1\PWL_POS> php artis
an make:controller Api/RegisterController

   INFO  Controller [C:\Users\USER\Documents\Private Document\State Polytechnic of Malang\Computer Science\4th Semester\Advanced Web\Jobsheet 1\
PWL_POS\app\Http\Controllers\Api\RegisterController.php] created successfully.
```

```php
namespace App\Http\Controllers\Api;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use App\Models\UserModel;
use Illuminate\Support\Facades\Validator;

0 references | 0 implementations
class RegisterController extends Controller
{
    0 references | 0 overrides
    public function __invoke(Request $request){
        $validator = Validator::make($request->all(), [
            'username' => 'required',
            'nama' => 'required',
            'password' => 'required|min:5|confirmed',
            'level_id' => 'required'
        ]);

        if($validator->fails()){
            return response()->json($validator->errors(), 422);
        }
```

POST http://127.0.0.1:8000/api/register

POST | http://127.0.0.1:8000/api/register | Send

Params | Authorization | Headers (8) | Body ● | Pre-request Script | Tests | Settings | Cookies

○ none ● form-data ○ x-www-form-urlencoded ○ raw ○ binary

☑	username	daffamaulana
☑	nama	Daffa Maulana
☑	password	12345
☑	password_confirmation	12345
☑	level_id	1
	Key	Value

Body | Cookies | Headers (10) | Test Results   201 Created 3.56 s 574 B Save Response ⌄

Pretty | Raw | Preview | Visualize | JSON ⌄

```json
1  {
2      "success": true,
3      "user": {
4          "username": "daffamaulana",
5          "nama": "Daffa Maulana",
6          "password": "$2y$12$BiT65BkjCxbYXspQYo2BIOfKzB5hJeyVSMZ919qTrnoRlU1cImV4G",
7          "level_id": "1",
8          "updated_at": "2024-05-15T03:43:31.000000Z",
9          "created_at": "2024-05-15T03:43:31.000000Z",
10         "user_id": 19
```

```
PS C:\Users\USER\Documents\Private Document\State Polytechnic of Malang\Computer Science\4th Semester\Advanced Web\Jobsheet 1\PWL_POS>php artisa
n make:controller Api/LoginController

   INFO  Controller [C:\Users\USER\Documents\Private Document\State Polytechnic of Malang\Computer Science\4th Semester\Advanced Web\Jobsheet 1\
PWL_POS\app\Http\Controllers\Api\LoginController.php] created successfully.
```

```php
<?php

namespace App\Http\Controllers\Api;

use App\Http\Controllers\Controller;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Validator;

class LoginController extends Controller
{
    public function __invoke(Request $request){
        $validator = Validator::make($request->all(), [
            'username' => 'required',
            'password' => 'required',
        ]);

        if($validator->fails()){
            return response()->json($validator->errors(), 422);
        }

        $credentials = $request->only('username', 'password');

        if(!$token = auth()->guard('api')->attempt($credentials)){
            return response()->json([
                'success' => false,
                'message' => 'username atau password anda salah',
```

```php
Route::post('/register', App\Http\Controllers\Api\RegisterController::class)->name('register');
Route::post('/login', App\Http\Controllers\Api\LoginController::class)->name('login');
Route::middleware('auth:api')->get('/user', function (Request $request) {
    return $request->user();
});
```

```php
Route::post('/logout', App\Http\Controllers\Api\LogoutController::class)->name('logout');
```

```
PS C:\Users\USER\Documents\Private Document\State Polytechnic of Malang\Computer Science\4th Semester\Advanced Web\Jobsheet 1\PWL_POS> php artis
an make:controller Api/LevelController

   INFO  Controller [C:\Users\USER\Documents\Private Document\State Polytechnic of Malang\Computer Science\4th Semester\Advanced Web\Jobsheet 1\
PWL_POS\app\Http\Controllers\Api\LevelController.php] created successfully.
```

http://127.0.0.1:8000/api/login

Save

POST | http://127.0.0.1:8000/api/login | Send

Params | Authorization | Headers (8) | Body ● | Pre-request Script | Tests | Settings | Cookies

none ● form-data ● x-www-form-urlencoded ● raw ● binary

	Key	Value	⚬⚬⚬	Bulk Edit
☑	username	daffamaulana		
☐	nama	Daffa Maulana		
☑	password	12345		
☐	password_confirmation	12345		
☐	level_id	1		

Body | Cookies | Headers (10) | Test Results   200 OK   4.66 s   895 B   Save Response ⌄

Pretty | Raw | Preview | Visualize | JSON ⌄

```
1  {
2      "success": true,
3      "user": {
4          "user_id": 19,
5          "level_id": 1,
6          "username": "daffamaulana",
7          "nama": "Daffa Maulana",
8          "password": "$2y$12$BiT65BkjCxbYXspQYo2BIOfKzB5hJeyVSMZ919qTrnoRlU1cImV4G",
9          "created_at": "2024-05-15T03:43:31.000000Z",
10         "updated_at": "2024-05-15T03:43:31.000000Z",
```

POST http://127.0.0.1:8000/api/logout

Params | Authorization • | Headers (9) | Body • | Pre-request Script | Tests | Settings | Cookies

Type: Bearer ...

The authorization header will be automatically generated when you send the request.
Learn more about authorization ↗

Token: eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.ey...

Body | Cookies | Headers (10) | Test Results

200 OK | 1482 ms | 352 B | Save Response ∨

Pretty | Raw | Preview | Visualize | JSON ∨

```json
{
    "success": true,
    "message": "Logout Berhasil!"
}
```

```php
Route::get('levels', [LevelController::class, 'index']);
Route::post('levels', [LevelController::class, 'store']);
Route::get('levels/{level}', [LevelController::class, 'show']);
Route::put('levels/{level}', [LevelController::class, 'update']);
Route::delete('levels/{level}', [LevelController::class, 'destroy']);
```

TUGAS

Tabel m_user

```
http://127.0.0.1:8000/api/users                                    Save

GET  ▼    http://127.0.0.1:8000/api/users                        Send  ▼

Params   Authorization ●   Headers (9)   Body ●   Pre-request Script   Tests   Settings                Cookies

Query Params
Key                                          Value                            Bulk Edit
Key                                          Value

Body  Cookies  Headers (10)  Test Results        ⊕  200 OK  184 ms  3.52 KB   Save Response ▼

Pretty  Raw  Preview  Visualize    JSON ▼

1   [
2       {
3           "user_id": 1,
4           "level_id": 2,
5           "username": "admincoba",
6           "nama": "admincoba",
7           "password": "$2y$12$BLwVfnq0QLhU44nMYezToeOKthOA6ZUxvSdkBrkdcGfihIPhXHEqC",
8           "created_at": null,
9           "updated_at": "2024-04-03T08:41:27.000000Z",
10          "image": "http://127.0.0.1:8000/storage/posts"
```

Tabel m_kategori

Tabel m_barang

GET ∨ http://127.0.0.1:8000/api/barangs

Send ∨

Params Authorization ● Headers (9) Body ● Pre-request Script Tests Settings

Cookies

Query Params

	Key	Value	Bulk Edit
	Key	Value	

Body Cookies Headers (10) Test Results

🌐 200 OK 166 ms 2.81 KB Save Response ∨

Pretty Raw Preview **Visualize** JSON ∨ ⇥

```
 1  [
 2      {
 3          "barang_id": 21,
 4          "kategori_id": 1,
 5          "barang_kode": "BEV001",
 6          "barang_nama": "AQUA",
 7          "harga_beli": 5000,
 8          "harga_jual": 7000,
 9          "created_at": null,
10          "updated_at": null,
11          "image": "http://127.0.0.1:8000/storage/posts"
```